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South Africa, Republic of

Citrus

Recommended Chemical limits & Restrictions for plant protection products

2007

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Report Highlights:

In January 2007, South Africa's citrus industry released the updated recommended chemical application and maximum residue limits for citrus produced in South Africa. Plant protection and consumption limits for locally sold, exported, and imported citrus products are regulated under Agricultural department's plant protection Act of 1947.

Includes PSD Changes: No Includes Trade Matrix: No Unscheduled Report Pretoria [SF1]

Restrictions and recommended chemical limits for citrus plants in South and Southern Africa

South Africa's plant protection Act no. 36 of 1947 regulates the compliance of maximum residue limits of registered chemical products on all exports, imports and local citrus products. For the purpose of this report, regulations specified below are mainly for imported and locally produced and consumed citrus products.

The South African Act (1947) requires the product labels to specify the withholding period for the plant protection treatment that will conform to the residue limits. The restrictions apply to trees with fruit, between blossoming and harvest. For example, plant protection products for lemons, which have a multiple fruit setting patterns, may only be used as specified during the first spring blossoming and fruit setting period.

Pesticides used to protect trees with later fruit settings should not result in unexpected residues on fruit on earlier fruit setting trees. The restrictions specified for those trees should be applied in addition to the current label requirements, at the period between harvest and the onset of blossoming.

South Africa's new MRL & PHI changes					
Active	tive Previous MRL New MRL		PHI Changes		
			(Effective 21 April 2007)		
Crypogran	-	No MRL*	0 PHI as registered		
Dimethyl Didecylammonium	-	2.0	Post harvest as registered		
Fenpropathrin	0.5	0.01	185 PHI as registered		
	0.5	(General Export Tolerance)			
Gibberellic Acid	-	0.2	15 PHI as registered		
Gibberellic Acid	_	0.01	15 PHI as registered		
	_	(General Export Tolerance)	13 THI as registered		

Source: CGA

PHI = Pre-harvest Interval

^{*=}No MRL, but fruit must be free from detectable residue

	RESIDUE TOLERANCE LIMITS			
CHEMICAL	South Africa	U.S.	CODEX	GENERAL EXPORT
Acetamiprid	0.5	0.5	No MRL*	0.2
Aldicarb	0.2	No MRL (mandarins) 0.3(other citrus)	0.2	0.2
Amitraz	0.2	No MRL	0.5(oranges, sweet/ sour)	0.05
Avermectin	0.01	0.02	0.01	0.01
Azinphos-methyl	2.0	No MRL	1.0	1.0
Azoxystrobin	0.5	10.0	No MRL	0.5
Bromopropylate	3.0	No MRL	2.0	2.0
Buprofezin	0.05	2.5	0.5(oranges, sweet/ sour)	0.01
Cadusafos	0.05	No MRL	No MRL	0.01
Carbendazim	5.0	10.0	No MRL	0.01
Chinomethionat	0.5	No MRL	No MRL	0.3
Chlorfenapyr	0.01	0.01	No MRL	0.01
Chlorpyrifos	0.3	1.0	1.0	0.3(other citrus), 0.2(lemons)
Copper	20.0	Exempt	No MRL	30.0
Cryptogran	No MRL	No MRL	No MRL	No MRL
Cyhexatin (Azocylotin)	2.0	Not allowed, 0.1(summer	2.0	0.2

	<u> </u>	orango nuln)	T	
Cypermethrin	0.2	orange,pulp) No MRL	2.0	0.2
Dichlorprop	No MRL	No MRL	No MRL	0.05
Dicofol	5.0	10.0	5.0	2.0
Difenoconazole	0.05	No MRL	No MRL	0.02
Dimethoate			I .	
Dimethoate	2.0	2.0 No MRL	2.0 No MRL	0.02
	2.0	NO MRL	NO MIRL	0.01
Didecylammonium				
Chloride/Sporekill	2.0	N- MDI	2.0/	2.0
Dithiocarbamate	3.0	No MRL	2.0(oranges, sweet,	3.0
			sour) 10.0(Mandarins)	
Endoculfon	1.0	No MDI	0.5	0.5
Endosulfan	1.0	No MRL	0.5	0.5 0.05(effective 12/30/2006)
Edit a series de la co	0.05	N- MDI	N - MDI	,
Ethoprophos	0.05	No MRL	No MRL	0.01
Fenamiphos	0.05	0.6	No MRL	0.02
Fenazaquin	0.05	No MRL	No MRL	0.05
Fenbutatin-oxide	1.0	20.0	5.0	1.0
(Hexakis)				
Fenpropathrin	0.5	2.0	No MRL	0.01
Fipronil	0.05	None	No MRL	0.02
Formetanate	0.5	4.0	No MRL	0.05
Fosetyl-AL	15.0	No MRL	No MRL	0.2
Fosthiazate	0.1	No MRL	No MRL	0.01
Gibberellic Acid	0.2	Exempt	No MRL	0.01
Guazatine	5.0	No MRL	No MRL	5.0
Imazalil(Chloramizol)	5.0	10.0	5.0	5.0
Imidacloprid	0.5	0.7	1.0	0.5
Iprodione	1.0	No MRL	No MRL	1.0 (lemons, clementines &
'				Mandarins),
				0.02 (other citrus)
Isazophos	0.02	No MRL	No MRL	0.02
Isofenphos	0.2	No MRL	No MRL	0.05
Kresoxim-methyl	0.5	No MRL	0.5(grapefruit,	0.05
The second street street	0.0		oranges, & pommelos)	0.00
Mercaptothion	4.0	8.0	4.0	2.0
Metataxyl M	0.5	1.0	5.0	0.5
(Mefenoxam)	0.0			
Methamidophos	0.2	No MRL	No MRL	0.01
Methidathion	2.0	2.0	2.0	2.0
Methiocarb	0.1	No MRL	No MRL	0.05
Methodal B Methomyl(Thiodicarb)	0.2	2.0	1.0	0.5
Methyl-parathion	1.0	No MRL	No MRL	0.02
Mevinphos	0.1	No MRL	No MRL	0.02
Monocrotophos	Not allowed	No MRL	No MRL	0.05 on Southern African fruit
Omethoate	2.0	No MRL	No MRL	0.02
Parathion	0.5	No MRL	No MRL	0.05
Phenthoate	1.0	No MRL	No MRL	0.01
Permethrin	0.01	No MRL	0.5	0.01
Phosphorus acid	50.0	Exempt	No MRL	0.2
Pirimicarb	0.5	None	0.05,	0.05
			0.5(Oranges,sweet/sour)	
Paecilomyces	No MRL	No MRL	No MRL	No MRL
lilacinus				
Prochloraz	2.0	No MRL	5.0 (Oranges,	2.0
			sweet/sour)	
Procymidone	0.2	No MRL	No MRL	0.02
Profenofos	1.0	No MRL	No MRL	0.05
Propargite	2.0	5.0(6	3.0	2.0
Prothiofos	0.05	No MRL	No MRL	0.02
Pyraclostrobin	0.1	2.0	No MRL	0.05,
				1.0 (04/21/2007)
Pyriproxyfen	0.2	0.3	0.5	0.01
SOPP	10.0	10.0	10.0	10.0
Spinosad	0.05	0.3	0.3	0.01
Juliusau				

Spirodiclofen	0.01	0.5	No MRL	0.02
Tartar emetic	3.0	No MRL	No MRL	1.0
(Antimony)				
Tau-Fluvalinate	1.0	No MRL	No MRL	0.05
Tebuconazole	0.02	No MRL	No MRL	0.05
Teflubenzuron	0.5	No MRL	No MRL	0.05
Temephos	1.0	No MRL	No MRL	0.01
Terbufos	0.1	No MRL	No MRL	0.01
Tetradifon	5.0	No MRL	No MRL	1.0
Thiabendazole	6.0	10.0	10.0	5.0
Thiaclopid		No MRL	No MRL	0.02
Thiophanate-Methyl	5.0	10.0	No MRL	0.01
Triazophos	2.0	No MRL	No MRL	0.02
Trichlorfon	0.1	No MRL	No MRL	0.1
Trifloxystrobin	0.1	0.3	No MRL	0.3
Triflumuron	0.5	No MRL	No MRL	0.01
2.4-D	2.0	5.0	1.0	1.0
3,5,6,TPA	0.1	No MRL	No MRL	0.05

Source: CGA

^{*=}No MRL, but fruit must be free from detectable residue

PRODUCT	Southern	U.S.	Codex	
	African markets			
	Restrictions			
Acetamiprid/Mospilan	150d PHI	No additional	No additional	
·		restrictions	restrictions	
Aldicarb/Temik	100d PHI for lemons,	180d PHI for mandarins	No additional	
	150d PHI others		restrictions	
Amitraz/Mitac	Not later than 90%	No additional	No additional	
	petal fall	restrictions	restrictions	
Avermectin/Agrimec	7d PHI	No additional	No additional	
. 5		restrictions	restrictions	
Azinphos-methyl/Gusation	120d PHI	Not later than 90%	No additional	
γ ,		petal fall	restrictions	
Azoxystrobin/Ortiva	77d PHI	No additional	No additional	
3		restrictions	restrictions	
Bromppropylate/Acarol	21d PHI	Not later than 90%	No additional	
11 13		petal fall	restrictions	
Buprofezin/Applaud	Not later than 90%	45d PHI	45D for Oranges	
The same of the same	petal fall		J	
Cadusaphos/Rugby	Od PHI	No additional	No additional	
		restrictions	restrictions	
Carberndazim (Basvistin, Bendazid,	Not later than 90%	14dPHI	No additional	
Knowin, Benomyl, Spotless	petal fall		restrictions	
Chlorfenapyr/Hunter	Before calyx closure	No additional	No additional	
	(about 3 wks after	restrictions	restrictions	
	petal fall)			
Chlorpyrifos/Dursban	60d PHI for sprays,	No additional	No additional	
13	Od PHI for soil&stems	restrictions	restrictions	
Copper	14d PHI	No additional	No additional	
1 1		restrictions	restrictions	
Cryptogran	Od PHI	No additional	No additional	
J. J		restrictions	restrictions	
Cyhexatin (Azocyclotin)/Sipcatin	To be used only after	Not permitted	No additional	
	harvest & before		restrictions	
	blossom			
Cypermethrin	28d	Not later than 90%	No additional	
· J I: · · · · · · · · · · · · · · · · · ·		petal fall	restrictions	

Dichlarana /Caracil F	1504 DIII	No odditional	No odditional
Dichlorprop/Corasil E	150d PHI	No additional restrictions	No additional restrictions
Dicofol/Kelthane	14d PHI	No additional	No additional
Dicoron Kertriane	140 FIII	restrictions	restrictions
Difenoconazole/Score	Not later than 90%	No additional	No additional
Directocoriazore/ Score	petal fall	restrictions	restrictions
Dimethoate/Rogor	Not later than 50%	42d PHI	42d PHI
2.metheate/Reger	petal fall for sprays,	124 1 1 1	124 1111
	Not later than white		
	bud stage for soil		
	applications		
Dimethyl Didecylammonium	Post harvest	No additional	No additional
Chloride/Sporekill		restrictions	restrictions
Dithiocarbamates(Mancozeb/Maneb)	21d PHI	Not later than 90%	No additional
		petal fall	restrictions
Endosulfan/Thiodan	Not later than 90%	Not later than 90%	28d PHI
	petal fall	petal fall	
Ethoprophos/MOCAP	Od PHI	No additional	No additional
		restrictions	restrictions
Fenamiphos/Nemacur	150d PHI	No additional	No additional
		restrictions	restrictions
Fenazaquin	56d PHI	No additional	No additional
		restrictions	restrictions
Fenbutatin-oxide/Torque	7d PHI	No additional	No additional
		restrictions	restrictions
Fenpropathrin/Meothrin	185d PHI	28d PHI	No additional
			restrictions
Fenpropathri+Phenthoate/Meothrin+Elsan	Not later than 90%	No additional	No additional
	petal fall	restrictions	restrictions
Fiproni/Regent	Before calyx closure	No additional	No additional
	(about 3wks after	restrictions	restrictions
	petal fall)		
Formetanate/Dicarzol	90d PHI, only 25g	No additional	No additional
	Dicarzol+200g sugar	restrictions	restrictions
	per 100 litres as a bait		
	spray, up to three times between petal		
	fall and the end of		
	January		
Fosetyl-Al/Aliette	Od Od	No additional	No additional
7 030ty1 7 11/7 1110tto		restrictions	restrictions
Fosthiazate/Nemathorin	43d PHI	No additional	No additional
1 ostillazato/Normatiloriii	100 1111	restrictions	restrictions
Gibberellic Acid	15d PHI	No additional	No additional
		restrictions	restrictions
Guazatine	Post-harvest	Not permitted	Not permitted
Imazalil(Chloramizol)	Post-harvest	No additional	No additional
,		restrictions	restrictions
Imidacloprid/Confidor	212d PHI	No additional	No additional
·		restrictions	restrictions
Iprodione/Rovral(Dicarboxamil)	115d for lemons& soft	Not later than 90%	Not later than 90%
. ,	citrus,	petal fall	petal fall
	Not later than 90%		
		I	
	petal fall for others		
Isazophos/Miral	56dPHI	No additional	No additional
·	56dPHI	restrictions	restrictions
Isazophos/Miral Kresoxim-methyl/Stroby	56dPHI Not later than 90%	restrictions No additional	restrictions No additional
Kresoxim-methyl/Stroby	56dPHI Not later than 90% petal fall	restrictions No additional restrictions	restrictions No additional restrictions
Kresoxim-methyl/Stroby Mercaptothion/Malathion(fruitfly baiting	56dPHI Not later than 90%	restrictions No additional restrictions No additional	restrictions No additional restrictions No additional
Kresoxim-methyl/Stroby Mercaptothion/Malathion(fruitfly baiting only	56dPHI Not later than 90% petal fall 7d PHI	restrictions No additional restrictions No additional restrictions	restrictions No additional restrictions No additional restrictions
Kresoxim-methyl/Stroby Mercaptothion/Malathion(fruitfly baiting	56dPHI Not later than 90% petal fall	restrictions No additional restrictions No additional restrictions No additional	restrictions No additional restrictions No additional restrictions No additional
Kresoxim-methyl/Stroby Mercaptothion/Malathion(fruitfly baiting only Metalaxyl M/Ridomil Gold	56dPHI Not later than 90% petal fall 7d PHI 30d PHI	restrictions No additional restrictions No additional restrictions No additional restrictions	restrictions No additional restrictions No additional restrictions No additional restrictions
Kresoxim-methyl/Stroby Mercaptothion/Malathion(fruitfly baiting only	56dPHI Not later than 90% petal fall 7d PHI	restrictions No additional	restrictions No additional
Kresoxim-methyl/Stroby Mercaptothion/Malathion(fruitfly baiting only Metalaxyl M/Ridomil Gold Methamidophos/Citrimet	56dPHI Not later than 90% petal fall 7d PHI 30d PHI 60d PHI	restrictions No additional restrictions	restrictions No additional restrictions No additional restrictions No additional restrictions No additional restrictions restrictions
Kresoxim-methyl/Stroby Mercaptothion/Malathion(fruitfly baiting only Metalaxyl M/Ridomil Gold	56dPHI Not later than 90% petal fall 7d PHI 30d PHI	restrictions No additional	restrictions No additional

Methiocarb/Mesurol	Not later than end of	No additional	No additional
Methiocarb/Mesuroi	January	restrictions	No additional restrictions
Methomyl(thiodicarb)/Lannate	28d PHI	No additional	No additional
wethornyr(thiodicarb)/Earmate	2001111	restrictions	restrictions
Methyl-parathion/Penncap	Not later than 50%	No additional	No additional
menny. paratiment enmoup	petal fall	restrictions	restrictions
Mevinphos	3d PHI & 28 PHI	28 PHI	28PHI
Monocrotophos/Azodrin	Not permitted in South	No additional	No additional
	Africa,	restrictions	restrictions
	90d PHI in Southern		
0 11 1 /5 11	Africa	N. LUI	NI LIVE I
Omethoate/Folimat	Once /season, not after 1 st wk of	No additional restrictions	No additional restrictions
	December	restrictions	restrictions
Paecilomyces lilacinus/PL+	Od PHI	No additional	No additional
r accitotifyees macinas/1 E /	od 1111	restrictions	restrictions
Parathion	Not later than 50%	No additional	No additional
	petal fall	restrictions	restrictions
Permethrin/Last Call	Od PHI	No additional	No additional
		restrictions	restrictions
Phenthoate/Elsan	Not later than 90%	No additional	No additional
81 1	petal fall	restrictions	restrictions
Phosphorus acid	Od PHI,	No additional	No additional
	14d PHI, 28d	restrictions	restrictions
Pirimicarb/Aphox	Not later than 90%	No additional	No additional
Tillillear b/ Aprilox	petal fall	restrictions	restrictions
Prochloraz	Post-Harvest	Not permitted	No additional
			restrictions
Profenofos/Selecron	100ml/100ml water.	No additional	No additional
	Apply once between	restrictions	restrictions
	blossom&harvest &		
	not later than 90%		
Propargite/Omite	petal fall. 14d PHI	Not later than 90%	No additional
Propargite/Offlite	140 PHI	petal fall for soft citrus,	restrictions
		No additional	1031110110113
		restrictions for others	
Prothiofos/Tokuthion	Apply once between	No additional	No additional
	blossom&harvest &	restrictions	restrictions
	not later than 90%		
	petal fall		
Pyraclostrobin/Cabrio	82d PHI	No additional	No additional
Pyriproxyfen/Nemesis	120D phi	restrictions 60d PHI	restrictions No additional
i yripi oxyrcii/ Neillesis	1200 pm	0001111	restrictions
Sodium ortho-phenylphenol	Post harvest	No additional	No additional
		restrictions	restrictions
Spinosad/Trcer, GF120	1d PHI for fruit baiting	No additional	No additional
	(GF120),	restrictions	restrictions
	28d PHI for other		
	applications (Tracer)	AL LIVE	N
Spirodiclofen/Envidor	Not later than mid-	No additional	No additional
Tartar emetic/Tartox	January 30d PHI	restrictions No additional	restrictions No additional
rartar emetic/rartux	Jou Fill	restrictions	restrictions
Tau-fluvalinate/Klartan	Not later than mid-	No additional	No additional
. a.a in variation in tall	November	restrictions	restrictions
Tebuconazole/Folicur	Not later than 90%	No additional	No additional
	petal fall	restrictions	restrictions
Teflubenzuron/Nomolt	Not later than 90%	No additional	No additional
	petal fall	restrictions	restrictions
Temephos/Abate	200d PHI	No additional	No additional
	İ	restrictions	restrictions
Torbufoe/ACO2 100/Counter	20d DIII baturaan		
Terbufos/AC92-100/Counter	30d PHI between December & April	No additional restrictions	No additional restrictions

Tetradifon/Tedion	15d PHI	No additional	No additional
		restrictions	restrictions
Thiabendazole	Post-harvest	Not permitted	Not later than 90%
			petal fall
Thiacloprid/Calypso	No later than 3wks	No additional	No additional
	after petal fall	restrictions	restrictions
Thiophanate-methyl/Topsin	Not later than 90%	14d PHI	No additional
	petal fall		restrictions
Trichlorfon/Dipterex	10d PHI	28d PHI	28d PHI
Trifloxystrobin/Flint	76d PHI,	No additional	On Valencias only,
		restrictions	not later than
			January
Triflumuron/Alsystin	Not later than 90%	Post harvets	No additional
	petal fall		restrictions
2.4-D	250ppm in packhouse	Post harvest	No additional
	treatment,		restrictions
	250ppm in pre-		
	degreening drench		
3.5.6 TPA/Maxim	120d PHI	No additional	No additional
		restrictions	restrictions

Source: CGA

PHI = Pre-harvest Interval

For additional information about restrictions for other destination markets for South African products, please visit: http://www.cga.co.za